

Top 20 Chemicals with Largest On-site and Off-site Releases, 1998
NEW INDUSTRIES

CAS Number	Chemical	Total Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection		On-site Land Releases		Total On-site Releases Pounds	Off-site Releases	Total On- and Off-site Releases Pounds
				Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transfers Off-site to Disposal Pounds	
--	Copper compounds	587,519	368,012	170,262	1,212,884	7,291,241	1,226,216,319	1,235,846,237	3,991,921	1,239,838,158
--	Zinc compounds	1,905,903	553,785	350,016	21,411,070	31,633,627	623,370,970	679,225,371	12,226,422	691,451,793
7647-01-0	Hydrochloric acid	535,682,717	11	0	0	358	364,060	536,047,146	510	536,047,656
--	Arsenic compounds	199,163	159,587	0	760,075	2,989,099	517,851,754	521,959,678	1,336,267	523,295,945
--	Manganese compounds	529,560	1,008,009	85,000	782,400	4,658,489	443,269,263	450,332,721	7,411,062	457,743,783
7440-50-8	Copper	118,502	17,215	23,211	0	1,565,629	276,989,914	278,714,471	2,997,467	281,711,938
--	Lead compounds	348,276	77,079	1,005	7,279,134	14,889,429	209,383,618	231,978,541	5,242,672	237,221,213
--	Barium compounds	2,197,288	989,273	250	1,327,000	5,448,059	159,638,038	169,599,908	36,692,329	206,292,237
7664-93-9	Sulfuric acid	167,137,095	2,400,001	0	0	65,501	20,000	169,622,597	20,000	169,642,597
7440-38-2	Arsenic	40,471	1,340	269,393	0	1,963,851	74,562,786	76,837,841	304,021	77,141,862
7440-66-6	Zinc (fume or dust)	2,673,274	31,273	294,942	0	66,622,097	271,689	69,893,275	300,945	70,194,220
7664-39-3	Hydrogen fluoride	64,851,687	636	2,900,000	0	1,600	587,642	68,341,565	55,247	68,396,812
--	Chromium compounds	302,049	114,308	660,355	14,800	3,124,300	54,931,529	59,147,341	5,461,238	64,608,579
--	Nickel compounds	661,549	291,208	310,005	32,408	3,073,025	47,340,080	51,708,275	5,808,154	57,516,429
--	Antimony compounds	11,854	22,136	0	170,062	561,538	22,910,406	23,675,996	150,536	23,826,532
7440-47-3	Chromium	7,755	25,225	248,448	12,000	1,564,343	13,318,790	15,176,561	1,915,109	17,091,670
1332-21-4	Asbestos (friable)	138	0	0	0	6,364,715	7,162,791	13,527,644	2,142,048	15,669,692
7439-92-1	Lead	4,837	139	23,068	0	11,949,854	755,185	12,733,083	1,158,533	13,891,616
--	Nitrate compounds	5,995	907,006	5,935,087	1,200	42,590	6,088,363	12,980,241	732,694	13,712,935
--	Cobalt compounds	54,897	24,067	5	12,001	164,984	12,351,869	12,607,823	443,633	13,051,456
	Subtotal	777,320,529	6,990,310	11,271,047	33,015,034	163,974,329	3,697,385,066	4,689,956,315	88,390,808	4,778,347,123
	Total	796,550,006	8,074,161	23,425,024	33,252,393	197,617,507	3,757,524,074	4,816,443,165	112,049,461	4,928,492,626

Note: On-site Releases from Section 5 of Form R. **Off-site Releases** from Section 6 (off-site transfers to disposal) of Form R.

Off-site releases transferred to other TRI facilities reporting such transfers as on-site releases are not included.

Original Industries include forms with only SIC Codes 20-39, forms with no SIC codes in new industries, and forms with a combination of SIC codes in the range 20-39 and in the new industries from facilities reporting before 1998.

However, forms from one facility, Cyprus Miami Mining in Claypool, AZ, that reported under SIC code 33 and SIC code 10 in 1998 and previous years have been included in the new industry category SIC code 10 for the purpose of this analysis.

Users of TRI information should be aware that TRI data reflect releases and other waste management of chemicals, not exposures of the public to those chemicals. Release estimates alone are not sufficient to determine exposure or to calculate potential adverse effects on human health and the environment. TRI data, in conjunction with other information, can be used as a starting point in evaluating exposures that may result from release and other waste management activities which involve toxic chemicals.